

Name: **Alekhya Veeramachaneni**

Designation: Assistant Professor Department: ECE

Mail ID: alekhya_v@vnrvjiet.in

Experience (in years):11 years Teaching: 11 years Research:1 year

Educational / Technical qualifications:



S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	PhD	Pursuing	Antennas
2	M.Tech.	2013	VLSI Design
3	B.Tech.	2010	E C E
4	Secondary (10+2)	2006	M.P.C
5	10 th	2004	S S C

1. Teaching and Learning:

2.1. Teaching Interests: Electro Magnetic Waves & Transmission Lines, Microwave Engineering, Antennas & Wave Propagation

1.2 Novel Teaching & Learning Techniques adopted: POGIL, WIT & WIL

1.3 Involvement in curriculum updating / Design: Actively involving in the designing of course structure of B.Tech

2. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading Books, Singing Songs.

3.2. CCA/ECA Organized: Organized various alumni guest lectures by eminent alumni students of VNRVJIET.

3.3. CCA/ECA participated: Alumni events

3.4. Counselling and Mentoring Activity: Mentoring students and monitoring their progress in attendance as well in performance.

3.5. Committees involved in:

Department level: Alumni Coordinator, Guest Lecture Coordinator

Institute Level: OTLE Member

3. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted: 9

4.2. Attended: 06

S.No	Title of the Programme/Course	Duration	Organized by
1	Research trends in VLSI	5 Days	NITTTR, Chandigarh-160019(India)
2	Embedded UVM Open Source Emulation & Functional Verification	10 Days	NIT Patna & VNR VJIET
3	Cyber Security	5 Days	VNRVJIET.
4	professional Development Program on AI & ML	5 Days	VNR VJIET
5	VNR Initiatives & Awareness on OBE (Outcome Based Education)	6 Days	VNR VJIET
6	Recent Trends in Antenna Design & Applications	12 Days	NITW

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 03

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG:10 PG:00

5.5. Research Interests: Antennas

5.6. Ph.D students:Enrolled:NIL

a) Submitted:NIL

b)Awarded:NIL

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/IS SN No.	Impact Factor/ Citation Index	National/ International
1	Efficient Implementation of Human FPGA Video Stream Detection	Alochana Chakra Journal	ISSN NO:223 1-3990	6.3	International
2	Lossless Implementation of NAND Flash Memory Architecture Using Product Code Schemes	International Journal of Advanced Research in Electronics and Communication Engineering, Volume 2, Issue 12, Dec 2013, pp. 976-980.	ISSN 2278- 909X.	7.529	International
3	A Novel architecture for an efficient implementation of 2D- DWT	International Journal Of Advanced Research In Electronics And Communication Engineering, Volume 2, Issue 12 Dec 2013, pp. 981-985.	ISSN 2278- 909X	7.529	International
4	Synthesizable IP Cores of Low-Cost Peripherals for Embedded SOC Applications.	International Journal of Engineering Research and Technology, Vol.	ISSN: 2278 0181.	7.87	International

		4, Issue 2, pp. 568-572.			
5	Efficient Method of Power Saving Topologically – Compressed with 21- Transistors Flip- Flop,	International Journal Of Scientific Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	ISSN: 2319-8885.	7.2	International
6	Analysis of different CMOS Adders using 90nm and 180nm Technology.	International Journal of innovations in Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	, ISSN: 2319-1058.	7.24	International
7	Implementation of different 8-bit Full Adders, ISSN: 2319-058.	International Journal of innovations in Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	ISSN: 2319-058.	7.24	International
8	Reducing the Leakage Power in CMOS Circuit by using Biasing and Body Biasing Modes Adders	in International Journal of Advances Technology and Innovative Research, Vol. 09, Issue .01, Pages :0100-0106 ,	ISSN: 2348-2370	6.5	International
9	Efficient Implementation of Human FPGA Video Stream Detection	Alochana Chakra Journal	ISSN: 2231-3990	5.0	National

10	Development of a Modular L-Band Profiler for Atmospheric Boundary Layer and Precipitation Studies	Scoopus-International Journal of Mechanical Engineering	ISSN:0974-5823	9	Intrnational
11	Artificial Intelligence based Prediction and Detection of Corona Virus	International Journal of Engineering Inventions	ISSN:2319-6491	6.5	International
12	Artificial Intelligence Techniques for Prevention of Cyber Attacks and Detection of Security Threats	International Journal of Engineering Research and Applications	ISSN:2248-9622	6.8	International
13	Machine Learning Techniques to Predict, Forecast and Diagnosis of Covid -19	International Research Journal of Modernization in Engineering Technology and Science	ISSN:2582-5208	7	International
14	Design & Development of Wearable Antennas: Literature review	International Journal for Applied Science & Engineering Technology	ISSN:2321-9653	7.53	International
15	Miniature state of the art metamaterial antennas for wearable IOT devices, medical monitoring, and 5G networks	Scopus	Page:1201-1209		International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Imaging Using Phase coded Complimentary code pairs	IEEE	International	Mar 2022

2	Digital Skeletonization for Bio_ medical Images	springer	International	Sep 2022
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6. Awards / Honours received: published 2 patents

7. Motto: Do good and good will come to you.

